

Deborah S. Best

Education

- AALAS Certified: Laboratory Animal Technician, RTP, NC, 1989
- Durham Technical College, Animal Science, Durham, NC, 1998
- Wake Technical College, Microbiology, Raleigh, NC, 1988

Professional Experience

- 1995 – Present: Biological Science Laboratory Technician, U.S. EPA, RTP, NC
- 1991 - 1994: Research Specialist, ManTech Environmental Technology, Inc., RTP, NC
- 1989 - 1991: Gastrointestinal Physiology Technician, College of Veterinary Medicine, NCSU, Raleigh, NC
- 1987 - 1989: Gnotobiotic Research Technician, College of Veterinary Medicine, NCSU, Raleigh, NC
- 1986 - 1987: Laboratory Technician, College of Veterinary Medicine, NCSU, Raleigh, NC
- 1983 - 1986: Veterinary Assistant, Tugaloo Animal Hospital, Lavonia, GA
- 1975 - 1982: Assembly Line Supervisor, Westclox, Franklin Springs, GA

Selected Awards and Honors

- AALAS President's Award, 1989
- Assistance/leadership provided to the scientific community
- Special classes taught
- Husbandry of Gnotobiotics-Specific Techniques Used In Rearing Axenic Rodents, North Carolina State University, College of Veterinary Medicine, 1989
- Husbandry and Bleeding Techniques of Poultry, North Carolina State University, College of Veterinary Medicine, 1988
- Husbandry of Gnotobiotics-Isolator Operation and Caesarean Derivation, North Carolina State University, College of Veterinary Medicine and U.S. EPA for RTB/AALAS, 1988

Assistant/Leadership to the Agency

- RTD Technician group leader, 2005

Publications

Bielmeier SR, Murr AE, Best DS, Harrison RA, Pegram RA, Goldman JM, Narotsky MG. 2007. Effects of bromodichloromethane on *ex vivo* and *in vitro* luteal function

and bromodichloromethane tissue dosimetry in the pregnant F344 rat. *Toxicol In Vitro*. 21:919-28. [Abstract](#)

Goetz AK, Bao W, Ren H, Schmid JE, Tully DB, Wood C, Rockett JC, Narotsky MG, Sun G, Lambert GR, Thai SF, Wolf DC, Nesnow S, Dix DJ. 2006. Gene expression profiling in the liver of CD-1 mice to characterize the hepatotoxicity of triazole fungicides. *Toxicol Appl Pharmacol*. 215:274-84. [Abstract](#)

Tully DB, Bao W, Goetz A, Blystone C, Ren H, Schmid JE, Strader LF, Wood CR, Best DS, Narotsky MG, Wolf DC, Rockett JC, Dix DJ. 2006. Gene expression profiling in liver and testis of rats to characterize the toxicity of triazole fungicides. *Toxicol Appl Pharmacol*. 215:260-73. [Abstract](#)

Rockett JC, Narotsky MG, Thompson K, Thillainadarajah I, Blystone C, Goetz A, Ren H, Best DS, Murrell R, Nichols HP, Schmid JE, Wolf DC, Dix DJ. 2006. Effect of conazole fungicides on reproductive development in the female rat. *Reprod Toxicol*. 22:647-58. [Abstract](#)

Abbott BD, Best DS, Narotsky MG. 2005. Teratogenic effects of retinoic acid are modulated in mice lacking expression of epidermal growth factor and transforming growth factor-alpha. *Birth Defects Res A Clin Mol Teratol*. 73:204-17. [Abstract](#)

Chen J, Thirkill TL, Lohstroh PN, Bielmeier SR, Narotsky MG, Best DS, Harrison RA, Natarajan K, Pegram RA, Overstreet JW, Lasley BL, Douglas GC. 2004. Bromodichloromethane inhibits human placental trophoblast differentiation. *Toxicol Sci*. 78:166-74. [Abstract](#)

Bielmeier SR, Best DS, Narotsky MG. 2004. Serum hormone characterization and exogenous hormone rescue of bromodichloromethane-induced pregnancy loss in the F344 rat. *Toxicol Sci*. 77:101-8. [Abstract](#)

Chen J, Douglas GC, Thirkill TL, Lohstroh PN, Bielmeier SR, Narotsky MG, Best DS, Harrison RA, Natarajan K, Pegram RA, Overstreet JW, Lasley BL. 2003. Effect of bromodichloromethane on chorionic gonadotrophin secretion by human placental trophoblast cultures. *Toxicol Sci*. 76:75-82. [Abstract](#)

Lau C, Narotsky MG, Lui D, Best D, Setzer RW, Mann PC, Wubah JA, Knudsen TB. 2002. Exposure-disease continuum for 2-chloro-2'-deoxyadenosine (2-CDA), a prototype teratogen: Induction of lumbar hernia in the rat and species comparison for the teratogenic responses. *Teratology*. 66:6-18. [Abstract](#)